

INFORMATION DISCLOSURE STATEMENT LIST OF DOCUMENTS CITED BY **APPLICANT**

ATTY DOCKET NO: THISTED 1A

SERIAL NO: 10/572,644

FIRST INVENTOR: Thomas THISTED

FILING DATE:

March 20, 2006

EXAMINER: Not Yet Known

CONF. NO: 4397 ART UNIT: 1645

U.S. PATENT DOCUMENTS (include at least patentee, patent/pub number and filing/issue/pub date)

EXAM. INITIAL	ID	DOCUMENT NUMBER	FILING, ISSUE OR PUBLICATION DATE (YYYY-MM-DD)	PATENTEE OR APPLICANT	Relevant Passage(s)	T.
	1	6,620587 B1	2003-09-16	TAUSSIG et al.		
	2	6,593,088 B1	2003-07-15	SAITO et al.		
	3	6,429,300 B1	2002-08-06	KURZ et al.		
	4	6,416,949 B1	2002-07-09	DOWER et al.		
	5	6,297,053 B1	2001-10-02	W. P. C. STEMMER		
	6	6,207,446 B1	2001-03-27	SZOSTAK et al.		
	7	6,165,778 A	2000-12-26	H. KEDAR		
	8	6,165,717 A	2000-12-26	DOWER et al.		1
<u> </u>	9	6,143,503 A	2000-11-07	BASKERVILLE et al.		
	10	6,143,497 A	2000-11-07	DOWER et al.		
	11	6,140,493 A	2000-10-31	DOWER et al.		
-	12	6,060,596 A	2000-05-09	LERNER et al.		T
	13	6,056,926 A	2000-05-02	SUGARMAN et al.		
	14	5,843,650 A	1998-12-01	D. SEGEV		1
	15	5,830,658 A	1998-11-03	S. M. GRYAZNOV		
	16	5,789,162 A	1998-08-04	DOWER et al.		1
	17	5,780,613 A	1998-07-14	LETSINGER et al.		1
	18	5,770,358 A	1998-06-23	DOWER et al.	-	
	19	5,741,643 A	1998-04-21	GRYAZNOV et al.	-	1
	21	5,723,598 A	1998-03-03	LERNER et al.		
	22	5,708,153 A	1998-01-13	DOWER et al.		†
	23	5,681,943 A	1997-10-28	LETSINGER et al.		
EXAMINE	R			DATE CONSIDERED		

EXAMINER: Initial if reference considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

^{* &}quot;Relevant Passages" column is optional. Put check in "T" column if English translation of entire document included. If English language abstract included, put A in this box. If ref. in English, put "E". If requirement otherwise met, put O.

		R FORM IPC/SB/08	ATTY DOCKET N	O: THISTED 1A	SERIAL NO : 10/57	2,644		
	OCUM	ISCLOSURE STATEMENT ENTS CITED BY	FIRST INVENTOR	: Thomas THISTED				
			FILING DATE: Ma	arch 20, 2006				
			EXAMINER: Not	Yet Known	CONF. NO: 4397 ART UNIT: 1645			
U.S. PATENT DOCUMENTS (include at least patentee, patent/pub number and filing/issue/pub date)								
EXAM. INITIAL	ID	DOCUMENT NUMBER	FILING, ISSUE OR PUBLICATION DATE (YYYY-MM-DD)	PATENTEE OR APPLICANT	Relevant Passage(s)	т		
	24	5,665,975 A	1997-09-09	H. Kedar				
	25	5,639,603 A	1997-06-17	Dower et al.				
	26	5,573,905 A	1996-11-12	Lerner et al.				
	27	5,571,903 A	1996-11-05	S. M. Gryaznov				
	28	5,503,805 A	1996-04-02	Sugarman et al.				
	29	5,476,930 A	1995-12-19	Letsinger et al.				
	30	4,822,731 A	1989-04-18	Watson et al.				
	31	2005/0170376 A1	2005-08-04	Liu et al.				
	32	2005/0142583 A1	2005-06-30	Liu et al.	•			
	33	2005/0042669 A1	2005-02-24	Liu et al.				
	34	2005/0025766 A1	2005-02-03	Liu et al.				
	35	2003/0004122 A1	2003-01-02	Beigelman et al.				
FOREIGN	PATEN	NT DOCUMENTS (include a	nt least document nur	mber, publication date an	d country)			
EXAM.	ID	COUNTRY CODE & DOCUMENT NUMBER	PUBLICATION DATE YYYY-MM-DD	PATENTEE OR APPLICATION	Relevant Passage(s)	Т		
	36	EP 1 533 385 A1	2005-05-25	Nuevolution A/S				
	37	EP 0 776 330 B1	1997-06-04	C. Holmes				
	38	EP 0 773 227 A1	1997-05-14	Affymax Technologies N.V.				
	39	EP 0 695 305 B1	1996-02-07	Northwestern Univ.				
	40	EP 0 643 778 B1	1995-03-20	The Scripps Research Institute				
	41	EP 0 604 552 B1	1994-07-06	Affymax Technologies N.V.				
	42	EP 0 324 616 B1	1989-07-19	Amoco Corporation				
	43	WO 2006/053571 A2	2006-05-26	P. Rasmussen				
	44	WO 2006/048025 A1	2006-05-11	N. Hansen				
EXAMINE	R			DATE CONSIDERED				

SUBSTILU	re fo	OR FORM IPC/SB/08	ATTY DOCKET N	IO: THISTED 1A	SERIAL NO: 10/57	72,644	
	CUM	DISCLOSURE STATEMENT IENTS CITED BY	FIRST INVENTOR: Thomas THISTED				
			FILING DATE: M	arch 20, 2006			
			EXAMINER: Not	Yet Known	CONF. NO: 4397		
		T DOOUBLENTS (include a	11 - 11 1		ART UNIT: 1645		
		NT DOCUMENTS (include a				Т.	
EXAM. INITIAL	ID	COUNTRY CODE & DOCUMENT NUMBER	PUBLICATION DATE YYYY-MM-DD	PATENTEE OR APPLICATION	Relevant Passage(s)	T	
	45	WO 2005/026387 A1	2005-03-24	T. Thisted et al.			
	46	WO 2005/003778 A2	2005-01-13	Nuevolution A/S			
	47	WO 2004/001042 A2	2003-12-31	Nuevolution A/S			
	48	WO 2004/110964 A2	2004-12-23	Nuevolution A/S			
	49	WO 2004/099441 A2	2004-11-18	Hyscite Discovery A/S		\mathbf{I}_{-}	
	50	WO 2004/083427 A2	2004-09-30	Nuevolution A/S			
	51	WO 2004/074501 A2	2004-09-02	Nuevolution A/S			
	52	WO 2004/074429 A2	2004-09-02	Nuevolution A/S			
	53	WO 2004/056994 A2	2004-07-08	Nuevolution A/S			
	54	WO 2004/039825 A2	2004-05-13	Nuevolution A/S		1	
	55	WO 2004/024929 A2	2004-03-25	Nuevolution A/S			
	56	WO 2004/016767 A2	2004-02-26	The President and Fellows of Harvard College			
	57	WO 2004/013070 A2	2004-02-12	Nuevolution A/S			
	58	WO 2004/009814 A1	2004-01-29	Nuevolution A/S			
	59	WO 03/082901 A2	2003-10-09	Emory University			
	60	WO 03/078627 A2	2003-09-25	Nuevolution A/S			
	61	WO 03/078626 A2	2003-09-25	Nuevolution A/S			
	62	WO 03/078625 A2	2003-09-25	Nuevolution A/S			
	63	WO 03/078445 A2	2003-09-25	Nuevolution A/S			
	64	WO 03/078445 A2	2003-09-25	Nuevolution A/S			
	65	WO 03/078050 A2	2003-09-25	Nuevolution A/S			
	66	WO 03/025567 A2	2003-03-27	A. Bernard			
	67	WO 02/103008 A2	2002-12-27	Nuevolution A/S			
	68	WO 02/102820 A1	2002-12-27	Nuevolution A/S		1	
			7				

EXAMINER: Initial if reference considered. Draw line through citation if not in conformance <u>and</u> not considered. Include copy of this form with next communication to applicant.

SUBSTITU	JTE FO	OR FORM IPC/SB/08	ATTY DOCKET N	IO: THISTED 1A	SERIAL NO: 10/57	2,644			
	OCUM	DISCLOSURE STATEMENT SENTS CITED BY	FIRST INVENTOR: Thomas THISTED						
			FILING DATE: M	arch 20, 2006					
EXAMINER: Not Yet Known CONF. NO: 4397 ART UNIT: 1645									
FOREIGN PATENT DOCUMENTS (include at least document number, publication date and country)									
EXAM. INITIAL	ID	COUNTRY CODE & DOCUMENT NUMBER	PUBLICATION DATE YYYY-MM-DD	PATENTEE OR APPLICATION	Relevant Passage(s)	т.			
	69	WO 02/083951 A1	2002-10-24	Northeastern University					
	70	WO 02/074929 A1	2002-09-26	The President and Fellows of Harvard College					
	71	WO 01/53539 A1	2001-07-26	Phylos, Inc.					
	72	WO 01/00876 A1	2001-01-04	C. A. MIRKIN et al.					
	73	WO 00/61775 A1	2000-10-19	P. SERGEEV					
	74	WO 00/47775 A1	2000-08-17	The General Hospital Corp.					
	75	WO 00/32823 A1	2000-06-08	Phylos, Inc.					
	76	WO 00/23456 A1	2000-04-27	The Board of Trustees of the Leland Stanford Junior University					
	77	WO 00/21909 A2	2000-04-20	Pharmacopeia, Inc.		1_			
	78	WO 99/51773 A1	1999-10-14	Phylos, Inc.					
	79	WO 98/56904 A1	1998-12-17	Rigel Pharmaceuticals, Inc.		T			
	80	WO 98/31700 A1	1998-07-23	The General Hospital Corp.					
	81	WO 96/35699 A1	1996-11-14	Northwestern University					
	82	WO 96/35699 A1	1996-11-14	Northwestern University					
	83	WO 96/12014 A1	1996-04-25	Lynx Therapeutics, Inc.					
	84	WO 96/09316 A1	1996-03-28	Nexstar Pharmaceuticals, Inc.					
	85	WO 95/12608 A1	1995-05-11	J. Sugarman et al.					
	80	WO 93/03172 A1	1993-02-18	University Research Corp.					
	87	WO 91/05058 A1	1991-04-18	G. Kawasaki					
	88	WO 90/05785 A1	1990-05-31	The Regents of the University of California					
	-					+			
EXAMINE	- <u></u> R	<u> </u>		DATE CONSIDERED					

EXAMINER: Initial if reference considered. Draw line through citation if not in conformance <u>and</u> not considered. Include copy of this form with next communication to applicant.

SORSIIIOIEI	FOR FORM IPC/SB/08	ATTY DOCKET NO: THISTED 1A	SERIAL NO: 10/572,644		
	I DISCLOSURE STATEMENT IMENTS CITED BY	FIRST INVENTOR: Thomas THISTED			
		FILING DATE: March 20, 2006			
		EXAMINER: Not Yet Known	CONF. NO: 4397 ART UNIT: 1645		
	MENTS (Continued) (include A	AUTHOR, title, name of publication, volu	me, pages & date of		
89	O. L. ACEVEDO et al., "Nor J. Mol. Biol., 197:187-193, 1	n-enzymatic Transcription of an Oligodeoxyl 987.	nucleotide 14 Residues Long",		
90	O. L. ACEVEDO et al., "Ten 790-792, 19 June 1986.	nplate-directed oligonucleotide ligation on h	ydroxylapatite", <u>Nature</u> , 321,		
91		al Amplification (CHAMP) by a Continuous, em", <u>J. Am. Chem. Soc.</u> , 121, 6954-6955,			
92		the genetic lexicon: incorporating non-stan is", <u>TIBTECH</u> , 12, 158-163, May 1994.	dard amino acids into proteins		
93		M. BERGER et al., "Universal bases for hybridization, replication and chain termination", Nucleic Acids Research, 28(15), 2911-2914, 2000.			
94		J. A. BITTKER et al., "Recent advances in the <i>in vitro</i> evolution of nucleic acids", <u>Current Opinion in Chemical Biology</u> , 6:367-374, 2002.			
95	C. BÖHLER et al., "Templa 581, 17 August 1995.	C. BÖHLER et al., "Template switching between PNA and RNA oligonucleotides", Nature, 376:578 581, 17 August 1995.			
96	E. BRAUN et al., "DNA-tem Nature, 391:775-778, 19 Fe	plated assembly and electrode attachment bruary 1998.	of a conducting silver wire",		
97	S. BRENNER et al., "Encod June 1992.	led combinatorial chemistry", Proc. Natl. Ac	ad. Sci. USA., 89:5381-5383,		
98		ple procedure for constructing 5'-amino-terric Acids Research, 25(6):1309-1310, 1997.	ninated oligodeoxynucleotides		
99	R. K. BRUICK et al., "Temp 3:49-56, January 1996.	late-directed ligation of peptides to oligonuc	eleotides", Chemistry & Biolog		
100		Directing Otherwise Incompatible Reactions nthesis", <u>Angew. Chem. Int. Ed.</u> , 41(21): 41			
10		C. T. CALDERONE et al., "Nucleic-acid-templated synthesis as a model system for ancient translation", Current Opinion in Chemical Biology, 8:645-653, 2004.			
102	C. B. CHEN et al., "Templat Templates", <u>J. Mol. Biol.</u> , 18	te-directed Synthesis on Oligodeoxycytidyla 31: 271-279, 1985.	te and Polydeoxycytidylate		
103	B. CHAN et al., "Intra-tRNA unwinding during priming of	distance measurements for nucleocapsid processis of HIV", Proc. Natl. Acad. Sci. USA, 96:459-4	orotein-dependent tRNA 64, January 1999.		
104		dentification and Isolation of a Receptor for on in a Pseudo-peptide Dynamic Combinato 1.			
EXAMINER		DATE CONSIDERE			

UBSTITUT	rE FO	R FORM IPC/SB/08	ATTY DOCKET NO: THISTED 1A	SERIAL NO: 10/572,64	
ST OF DO	FORMATION DISCLOSURE STATEMENT ST OF DOCUMENTS CITED BY PPLICANT		FIRST INVENTOR: Thomas THISTED		
			FILING DATE: March 20, 2006		
			EXAMINER: Not Yet Known	CONF. NO: 4397 ART UNIT: 1645	
THER DO	CUME) Plea	ENTS (Continued) (include A se list in alphabetical order.	UTHOR, title, name of publication, volur	ne, pages & date of	
	105		cleic-acid Template-Directed Assembly of I	Metallosalen - DNA	
	106		somers": An approach to nonpeptide, nonol 90: 6909-6913, August 1993.	igomeric chemical diversity",	
	107		o selection as a powerful tool for the applied Chemical Biology, 6: 390-398, 2002.	d evolution of proteins and	
	108		Sensitive <i>In Vitro</i> Selections for DNA-Linked and Specificity", <u>J. Am. Chem. Soc.</u> , 2 page ember 2003		
	109	R. ELGHANIAN et al., "Selective Colorimetric Detection of Polynucleotides Based on the Dependent Optical Properties of Gold Nanoparticles", Science, 227: 1078-1081, 22 Aug			
	119	J. ELLMAN et al., "Biosynthetic Method for Introducing Unnatural Amino Acids Site-Specifically into Proteins", Methods in Enzymology, 202: 301-336, 1992.			
	111	A. G. FRUTOS et al., "Demo Nucleic Acids Research, 25(onstration of a word design strategy for DNA (23): 4748-4757, 1997.	A computing on surfaces",	
	112		ate-Driven Photoreversible Ligation of Deor	xyoligonucleotides via 5-	
	113	K. FUJIMOTO et al., "Templ vinyldeoxycytidine", <u>Tetrahe</u>	ate-directed reversible photocircularization dron Letters, 41: 6451-6454, 2000.	of DNA via 5-	
	114		ate directed photochemical synthesis of brane", Tetrahedron Letters, 41: 9437-9440, 20		
	115	R. L. E. FURLAN et al., "Mol interactions", Chem. Commi	lecular amplification in a dynamic combinat un., 1761-1762, 2000.	orial library using non-covale	
	116		a-templated Organic Synthesis and Selection of 10 pages online supporting material, 10 S		
	117	Z. J. GARTNER et al., "Expa Int. Ed., 41(10): 1796-1800,	anding the Reaction Scope of DNA-Templa 2002.	ted Synthesis", <u>Angew. Cher</u>	
	115		Generality of DNA-Templated Synthesis as Am. Chem. Soc., 123: 6961-6963, 2001.	s a Basis for Evolving Non-	
	119	Z. J. GARTNER et al., "Mult Chem. Soc., 124: 10304-103	istep Small-Molecule Synthesis Programme 306, 2002.	ed by DNA Templates", <u>J. An</u>	
	120	R. GRUBINA et al., "DNA-To 10-14, January 2004.	emplated Synthesis of a Synthetic Small Mo	olecule Library", <u>The Nucleus</u>	
XAMINER			DATE CONSIDEREI	D	

copy of this form with next communication to applicant.

SUBSTIT	UTE FO	R FORM IPC/SB/08	ATTY DOCKET NO: THISTED 1A	SERIAL NO: 10/572,644		
IST OF I	IFORMATION DISCLOSURE STATEMENT IST OF DOCUMENTS CITED BY PPLICANT		FIRST INVENTOR: Thomas THISTED			
			FILING DATE: March 20, 2006			
			EXAMINER: Not Yet Known	CONF. NO: 4397 ART UNIT: 1645		
		ENTS (Continued) (include A lse list in alphabetical order.	UTHOR, title, name of publication, volun	ne, pages & date of		
	121	Z. J. GARTNER et al., "Two Chem. Int. Ed., 42(12): 1370	Enabling Architectures for DNA-Templated -1375, 2003.	Organic Synthesis", Angew.		
	122		cations of Combinatorial Technologies to Decis, Library Screening Strategies, and Fut 3 May 1994.			
	128	S. M. GRYAZNOV et al., "Ch Template", <u>J. Am. Chem. So</u>	nemical Ligation of Oligonucleotides in the Foc., 115: 3808-3809, 1993.	Presence and Absence of a		
	124	S. M. GRYAZNOV et al., "Template controlled coupling and recombination of oligonucleotide bloc containing thiophosphoryl groups", <u>Nucleic Acids Research</u> , 21(6): 1403-1408, 1993.				
	125	S. M. GRYAZNOV et al., "Enhancement of selectivity in recognition of nucleic acids via chemical autoligation", Nucleic Acids Research, 22(12): 2366-2369, 1994.				
	126	D. R. HALPIN et al., "DNA D 2(7): 0001-0006, July 2004.	D. R. HALPIN et al., "DNA Display I. Sequence-Encoded Routing of DNA Populations", PLoS Biolo 2(7): 0001-0006, July 2004.			
	127		isplay II. Genetic Manipulation of Combinat LoS Biology, 2(7): 0001-0009, July 2004.	orial Chemistry Libraries for		
	128	D. R. HALPIN et al., "DNA D Biology, 2(7): 0001-0006, Ju	isplay III. Solid-Phase Organic Synthesis or ly 2004.	n Unprotected DNA", PLoS		
	128	M. K. HERRLEIN et al., "Sel Acids Research, 22(23): 507	ective chemical autoligation on a double-str	anded DNA template", Nucle		
•	130	T. INOUE et al., "A Nonenzy 1983.	matic RNA Polymerase Model", <u>Science</u> , 2	19: 859-862, 18 February		
	131	T. INOUE et al., "Oligomerization of (Guanosine 5'-phosphor)-2-methylimidazolide on Poly(C)' Biol., 162: 201-217, 1982.				
	132	M. W. KANAN et al., "Reaction discovery enabled by DNA-templated synthesis and in vitro select Nature, 431:545-549, including Supplementary Information pages 1-20, 30 September 2004.				
	133		a Peptide Taggin System in Degradation of Science, 271: 990-993, 16 February 1996.			
	134	B. KLEKOTA et al., "Selection Tetrahedron, 55:11687-1169	on of DNA-Binding Compounds <i>via</i> Multista 07, 1999.	ge Molecular Evolution",		
	135	and Protein Libraries for In V	Synthetic Strategy for the Preparation of N /itro Evolution Protocols", Fourth Internation (ECSOC-4), www.mdpi.org/ecsoc-4.htm 5	nal Electronic Conference on		
EXAMINE			DATE CONSIDERED			

copy of this form with next communication to applicant.

SUBSTI	UIEFO	PR FORM IPC/SB/08	ATTY DOCKET NO: THISTED 1A	SERIAL NO: 10/572,64		
	DOCUM	DISCLOSURE STATEMENT ENTS CITED BY	FIRST INVENTOR: Thomas THISTED			
			FILING DATE: March 20, 2006			
			EXAMINER: Not Yet Known	CONF. NO: 4397 ART UNIT: 1645		
		ENTS (Continued) (include A se list in alphabetical order.	UTHOR, title, name of publication, volur	ne, pages & date of		
	136		noto-crosslinked mRNA-puromycin conjuga of mRNA-protein fusions", <u>Nucleic Acids Re</u>			
	137	J. C. LEITZEL et al., "Templ Chem. Rec., 1(1): 53-62, 20	ate-Directed Ligation: From DNA Towards l	Different Versatile Templates		
	138	R. L. LETSINGER et al., "Ch Nucleosides & Nucleotides,	nemical and Photochemical Ligation of Oligo 16(5&6): 643-652, 1997.	onucleotide Blocks",		
	139	R. L. LEWIS et al., "Ligation of oligonucleotides by pyrimidine dimers-a missing 'link' in the origin life?", Nature, 298: 393-396, 22 July 1982.				
	140	X. LI et al., "DNA-Catalyzed Polymerization", <u>J. Am. Chem. Soc.</u> , 124(5): 746-747, 2002.				
	141		X. LI et al., "DNA-Templated Organic Synthesis: Nature's Strategy for Controlling Chemical Reacti Applied to Synthetic Molecules", Angew. Chem. Int. Ed., 43: 4848-4870, 2004.			
	142	X. LI et al., "Stereoselectivity Soc., 125: 10188-10189, 200	r in DNA-Templated Organic Synthesis and 03.	Its Origins", J. Am. Chem.		
	143	X. LI et al., "Translation of D 5092, 2004.	NA into Synthetic <i>N</i> -Acyloxazolidines", <u>J. A</u>	m. Chem. Soc., 126: 5090-		
	144		lated Synthesis as a Basis for the Evolution m. Chem. Soc., 225: 612-ORGN, Part 2, M			
	145		Amplifiable and Evolvable Unnatural Molect 2000. http://web.archive.org/web/20000311112			
	146		stry of Molecular Evolution", website of Dr. lorg/web/20001015144553/http://evolve.harvard.			
	147		stry and Chemical Biology of Molecular Evo ch 2001. http://web.archive.org/web/200103011			
	149		stry and Chemical Biology of Molecular Evo v. 2002. http://web.archive.org/web/200211201			
	149		stry and Chemical Biology of Molecular Evo . 2003. http://web.archive.org/web/200310151			
	150		Amplifiable and Evolvable Unnatural Molect logy, Report dated Aug. 4, 2003. OMB Fort			
EXAMIN	ER		DATE CONSIDERED)		

SUBSTILL	JIEFO	PR FORM IPC/SB/08	ATTY DOCKET NO: THISTED 1A	SERIAL NO : 10/572,64		
	OCUM	DISCLOSURE STATEMENT ENTS CITED BY	FIRST INVENTOR: Thomas THISTED			
			FILING DATE: March 20, 2006			
			EXAMINER: Not Yet Known	CONF. NO: 4397 ART UNIT: 1645		
		ENTS (Continued) (include A ise list in alphabetical order.	UTHOR, title, name of publication, volu	me, pages & date of		
	151	D. R. LIU et al., "Finding Rea 10 Sept. 2004. Meeting: Am	actions in a Haystack: Try 'em All, See Wh erican Chemical Society.	at Works", <u>Science</u> , Vol. 305,		
	152		g a tRNA and aminoacyl-tRNA synthetase cids into proteins <i>in vivo</i> ", <u>Proc. Natl. Acad.</u>			
	153	D. R. LIU et al., "Progress to Natl. Acad. Sci. USA, 96: 47	oward the evolution of an organism with an expanded genetic code", Pro 780-4785, April 1999.			
	154	D. R. LIU, "Primer: Translating 2004.	D. R. LIU, "Primer: Translating DNA into Synthetic Molecules", PLoS Biology, 2(7): 0905-0906, 2004.			
	155	J. LIU et al., "Template-direction Nucleic Acids Research, 26(ted photoligation of oligodeoxyribonucleoti	des via 4-thiothymidine",		
- '	156		R. LIU et al., "Optimized Synthesis of RNA-Protein Fusions for <i>in Vitro</i> Protein Selection", Methods Enzymology, Vol. 318, 268-293, 2000.			
	157	C. J. LOWETH et al., "DNA- 1808-1812, 1999.	Based Assembly of Gold Nanocrystals", <u>A</u>	ngew. Chem. Int. Ed., 38(12),		
	152		e Structure and Stability of a Backbone-Moduct Inhibition in Catalytic Template-Direc			
	159	A. LUTHER et al., "Surface- Nature, 396: 245-248, 19 No	promoted replication and exponential ampl ov. 1998.	ification of DNA analogues",		
	160	D. MENDEL, "Site-Directed Biomol. Struct., 24:435-462,	Mutagenesis with an Expanded Genetic Co 1995.	ode", <u>Annual Review Biophys.</u>		
	161		g the Assembly of Two- and Three-Dimens ilding Blocks", <u>Inorg. Chem.</u> , 39:2258-227			
	162		closed tube format for amplification and ded to Research, 25(12):2516-2521, 1997.	etection of DNA based on		
	163		virus: Bonding of mRNA bearing puromycir d protein on the ribosome in vitro", <u>FEBS L</u>			
	160	J. NIELSEN et al., "Synthetic J. Am. Chem. Soc., 115:981	Methods for the Implementation of Encod 2-9813, 1993.	led Combinatorial Chemistry",		
	165	M. H. J. OHLMEYER et al., (Natl. Acad. Sci., 90:10922-1	Complex synthetic chemical libraries index 0926, December 1993.	ed with molecular tags", <u>Proc.</u>		
EXAMINE	_		DATE CONSIDERE	_		

SUBSTITU	TE FO	R FORM IPC/SB/08	ATTY DOCKET NO: THISTED 1A	SERIAL NO: 10/572,644	
	OCUM	DISCLOSURE STATEMENT ENTS CITED BY	FIRST INVENTOR: Thomas THISTED		
			FILING DATE: March 20, 2006		
			EXAMINER: Not Yet Known	CONF. NO: 4397 ART UNIT: 1645	
OTHER DO	CUME 1) Plea	ENTS (Continued) (include A se list in alphabetical order.	AUTHOR, title, name of publication, volu	me, pages & date of	
	166		elopments in dynamic combinatorial chemi	stry", <u>Current Opinion in</u>	
	167		ll generation of Molecular Diversity", Networke/Combichem/feature01.html.	rk Science,	
	168	J. A. Piccirilli, "RNA seeks its	J. A. Piccirilli, "RNA seeks its maker", <u>Nature</u> , 376:548-549, 17 Aug. 1995.		
	166		itu Generation and Screening of a Dynamicn A", Chembiochem, 1:41-48, 2000.	Combinatorial Carbohydrate	
	170		H. REMBOLD et al., "Single-Strand Regions of Poly(G) Act as Templates for Oligo(C) Synthesis", Journal of Molecular Evolution, 38:205-210, 1994.		
	171	R. W. ROBERTS et al., "RNA-peptide fusions for the <i>in vitro</i> selection of peptides and proteins", Pro Natl. Acad. Sci., 94:12297-12302, November 1997.			
	172		ultaneous selection, amplification and isolal N-methyl ammonium ion template", <u>Chem.</u>		
	173	L. RODRIGUEZ et al., "Tem Attached to an Oligodeoxyc	plate-Directed Extension of a Guanosine 5 ytidylate Template", <u>Journal of Molecular Ev</u>	'-Phosphate Covalently volution, 33:477-482, 1991.	
	174		'Efficient and Sequence-Specific DNA-Tem des", <u>J. Am. Chem. Soc.</u> , 125:13924-1392		
	175		emplated Functional Group Transformations ng Small-Molecule Reagents", <u>J. Am. Chen</u>		
	175	J. SALAS et al., "Biosyntheti J. Biol. Chem., 243(5):1012-	ic Polydeoxynucleotides as Direct Template -1015, March 10, 1968.	es for Polypeptide Synthesis",	
	177		mation transfer from DNA to peptide nucleiclesearch, 25(23):4792-4796, 1997.	c acids by template-directed	
	178	A. W. SCHWARTZ et al., "T Science, 228:585-587, 1985	emplate-Directed Synthesis of Novel, Nucl. 5.	eic Acid-Like Structures",	
	179		ed Assembly of Proteins as a Pathway to a ecular Motors and Nanomachines.	n Assembler", The 1997	
	180	J. J. STORHOFF et al., "Pro	ogrammed Materials Synthesis with DNA", g	<u>Chem. Rev.</u> 99:1849-1862,	
	181	D. SUMMERER et al., "DNA <u>Ed.</u> , 41(1): 89-90, 2002.	A-Templated Synthesis: More Versatile than	ı Expected", <u>Angew. Chem. Ir</u>	
EXAMINER			DATE CONSIDERE	D	

SUBSTITUTE FOR	FORM IPC/SB/08	ATTY DOCKET NO: THISTED 1A	SERIAL NO: 10/572,644	
IFORMATION DIS IST OF DOCUME PPLICANT	SCLOSURE STATEMENT NTS CITED BY	FIRST INVENTOR: Thomas THISTED		
		FILING DATE: March 20, 2006		
		EXAMINER: Not Yet Known	CONF. NO: 4397 ART UNIT: 1645	
	NTS (Continued) (include A e list in alphabetical order.	UTHOR, title, name of publication, volu	me, pages & date of	
182		eleotide-directed peptide synthesis in a ribo	some- and ribozyme-free	
	K. TANAKA et al., "Synthesis Complexation", <u>J. Org. Chen</u>	s of a Novel Nucleoside for Alternative DNA 1., 64:5002-5003, 1999.	A Base Pairing through Metal	
	J. VISSCHER et al., "Templa Evol., 28:3-6, 1988.	ate-Directed Synthesis of Acyclic Oligonucl	eotide Analogues", <u>J. Mol.</u>	
	J. VISSCHER et al., "Template-Directed Oligomerization Catalyzed by a Polynucleotide Analog Science, 244:329-331, April 21, 1989.			
	J. VISSCHER et al., "Oligomerization of Deoxynucleoside-Bisphosate Dimers: Template and Linl Specificity", Originals of Life and Evolution of the Biosphere, 19:3-6, 1989.			
	J. A. WALDER et al., "Complementary carrier peptide synthesis: General strategy and implications prebiotic origin of peptide synthesis", Proc. Natl. Acad. Sci. USA, 76(1):51-55, January 1979.			
		ctional Suppressor tRNA/Aminoacyl-tRNA mino Acids into Proteins", <u>J. Am. Chem. S</u>		
		yridine Ligandoside: A Novel Building Bloc . Soc., 123:3375-3376, 2001.	k for Modifying DNA with Intra	
	S. M. WAYBRIGHT et al., "C <u>Am. Chem. Soc.</u> , 123:1828-	Digonucleotide-Directed Assembly of Mate 1833, 2001.	rials: Defined Oligomers", <u>J.</u>	
		autoligation in direct three-color detection oblogy, 19:148-152, February 2001.	of RNA and DNA point	
	Y. XU et al., "Rapid and Sele <u>Soc.</u> , 122:9040-9041, 2000.	ective Selenium-Mediated Autoligation of D	NA Strands", <u>J. Am. Chem.</u>	
	Z. J. ZHAN et al., "Chemical 119:12420-12421, 1997.	Amplification through Template-Directed S	Synthesis", <u>J. Am. Chem. Soc.</u>	
		"Discovery ofNanomolar Ligands for 7-Tra iverse N-(Substituted)glycine Peptoid Libra		
XAMINER		DATE CONSIDERE	D	